

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An array comprising a plurality of nucleic acid probes, wherein each probe in the plurality of nucleic acid probes consists essentially of one of the sequences listed in SEQ ID Nos. 1-699,466 and wherein the plurality of nucleic acid probes of the array comprises each of the sequences listed in SEQ ID Nos. 1-699,466.

2.-3. (Canceled)

4. (Original) The array of claim 1 wherein said plurality of nucleic acid probes is attached to a solid support.

5. (Original) The array of claim 1 wherein the array comprises a plurality of beads wherein the probes are attached to the beads and the probes on a bead consist essentially of one of the sequences listed in SEQ ID Nos. 1-699,466.

6. (Original) The array of claim 1 wherein the array consists of a single contiguous solid support.

7. (Withdrawn) A method of monitoring gene expression levels in a biological sample from a rat comprising:

isolating nucleic acid derived from the sample;

labeling the nucleic acid;

hybridizing the labeled nucleic acid to the array of claim 1; and,

detecting the hybridization pattern, wherein the intensity of signal resulting from hybridization to probes on the array is used to monitor gene expression levels.

8. (Withdrawn) The method of claim 7 wherein said monitoring gene expression levels comprises comparing gene expression levels of nucleic acids derived from two or more different samples and further comprises the step of:

comparing said hybridization patterns between said nucleic acids derived from said two or more different samples.

9. (Withdrawn) The method of claim 7 wherein the labeled nucleic acid hybridized to the array consists essentially of DNA.

10. (Withdrawn) The method of claim 7 wherein the labeled nucleic acid hybridized to the array consists essentially of RNA that is complementary to the target mRNA.

11. (Withdrawn) The method of claim 7 wherein the labeled nucleic acid hybridized to the array consists essentially of RNA that is in the sense orientation relative to the target mRNA.

12. (Withdrawn) The method of claim 7 wherein the labeled nucleic acid is hybridized to the array in a single reaction.

13.-16. (Canceled)